

ADJUSTABLE-SPEED DRIVES

Clutch-brake package stops overtravel (1)	Jan 36
Turning the buckle adjusts the speed (1)	Jan 37
Testing for perfection (2)	Feb 52
Traction drives for vehicles: Part 1, The ideal drive (3-1/3)	Mar 58
Spec check saves drive costs (1)	Apr 46
Traction drives for vehicles: Part 2, Matching the ideal (3-1/3)	May 63
PTD goes to the opera (5)	Jul 41
Traction drives for vehicles: Part 3, Recent advances (3-2/3)	Jul 50
Offset-press drive system shapes up business forms (3)	Aug 80
One SCR gets the steel wound (2-1/3)	Oct 61
Mads fashion new look in stocking (1-2/3)	Oct 63
Adjustable drives control jar-filling traffic (1)	Oct 66
Low-power testing with planetary differentials (2)	Dec 42

BELT DRIVES

Turning the buckle adjusts the speed (1)	Jan 37
Belt drive slices downtime (2/3)	Jan 41
Testing for perfection (2)	Feb 52
V-belts go the full 600 (1/2)	Mar 41
New sheaves cut saw-maker's worries (1)	Apr 44
We added a rider for belt insurance (2/3)	Apr 46
Pulling the gears put teeth in the drive (1/3)	Apr 47
V-belts fail shakedown, save motor's life (1)	Apr 48
Belts and chains chop 'copter costs (2-2/3)	May 51
Catching the bugs in mobile V-belt drives (2)	Jun 48
Band across the top keeps V-belts in the groove (3)	Aug 88
Little truck with a lot of drive (1-2/3)	Sep 55
Adjustable drives control jar-filling traffic (1)	Oct 66

BEARINGS

Testing for friction and wear (1)	Feb 51
Testing for perfection (2)	Feb 52
Testing by simulation (2)	Feb 56
Plus or minus almost nothing (1/2)	Feb 59
10,000 or bust (1/2)	Feb 59
Covering all angles (1/2)	Feb 60
Checking up on customers (1)	Feb 61
Testing big . . . and testing small (1/2)	Feb 63
How to select ball bearing screws: Part 1, The parameters (5)	Mar 35
How to calculate rolling bearing wear life (4-2/3)	Mar 47
Automatic lift boosts capacity (1)	Apr 45
Bearing lubrication for better or worse (5)	May 39
Traction drives for vehicles: Part 2, Matching the ideal (3-1/3)	May 63
How to select cylindrical roller thrust bearings (5-1/3)	Jun 40
Pin removal made easier (2/3)	Jun 45
Traction drives for vehicles: Part 3, Recent advances (3-2/3)	Jul 50
A portfolio of linear bearing design ideas (3)	Jul 59
The compliant bearing—A fresh look at fatigue (4)	Nov 45
Design and performance of hydrostatic lead screws (2-2/3)	Nov 56
Some tips on ball bearing selection (3)	Dec 39

CHAIN DRIVES

Get rid of the hand trucks! (1-1/3)	Jan 40
Testing with light (3)	Feb 48
Standardization beats downtime (2)	Mar 42
Compensating sprockets cancel speed variations (3-1/3)	Mar 54
Automatic lift boosts capacity (1)	Mar 45
Spec check saves drive costs (2)	Apr 46
Self-lube chain de-bugs the buggy (2)	May 44
Belts and chains chop 'copter costs (2-2/3)	May 51
Conveyor belt calls its own signals (3)	Jul 55
Little truck with a lot of drive (1-2/3)	Sep 55
High-speed chain idles the idlers (2)	Sep 58
One SCR gets the steel wound (2-1/3)	Oct 61

MOTORS AND ENGINES

Testing on the job (2)	Feb 54
Standardization beats downtime (2)	Mar 42
Soft starts stop overheating (2/3)	Mar 57
Automatic lift boosts capacity (1)	Apr 45
Series-wound gearmotor raises the antenna (2)	Jun 54
PTD goes to the opera (5)	Jul 41
Conveyor belt calls its own signals (3)	Jul 55
TurboTrain: The drives story (3)	Sep 49
New twists in backlash and vibration control (1)	Sep 57
Tomorrow's horsepower is here today (2)	Sep 60
Proximity switch insures safe starting (1)	Sep 70
Gear drives get a big job—overturning boxcars (3)	Oct 58
Mads fashion new look in stocking (1-2/3)	Oct 63
Portable drill digs in when the chips are down (1)	Oct 67
New drives raise rewinder output (1-1/3)	Oct 68
Putting vibrations to work: Part 2, Picking the tools	Nov 52

CLUTCHES, BRAKES, FLUID COUPLINGS, TORQUE CONVERTERS

Clutch-brake package stops overtravel (1)	Jan 36
Get rid of the hand trucks! (1-1/3)	Jan 40
Testing on the job (2)	Feb 54
Soft starts stop overheating (2/3)	Mar 57
Traction drives for vehicles: Part 1, The ideal drive (3-1/3)	Mar 58
Spec check saves drive costs (1)	Apr 46
Low-friction clutch keeps the story straight (2/3)	May 66
Introduction to hysteresis torque control (3-2/3)	Jun 56
PTD goes to the opera (5)	Jul 41
Conveyor belt calls its own signals (3)	Jul 55
TurboTrain: The drives story (3)	Sep 49
Clutch control cables keep crushers chewing (2)	Sep 52
New twists in backlash and vibration control (1)	Sep 57
Tomorrow's horsepower is here today (2)	Sep 60
Reducer and brake boost harbor crane's accuracy (1)	Sep 73
Mads fashion new look in stocking (1-2/3)	Oct 63
Put the brakes on high scrap rates (1)	Oct 65

GEAR DRIVES

Turning the buckle adjusts the speed (1)	Jan 37
Gear drive solves a 45-ton problem (2)	Jan 38
Constant verification (5/6)	Feb 58
Testing big . . . and testing small (1-1/2)	Feb 62
Rock crusher carries brutal work load (1)	Mar 40
Standardization beats downtime (2)	Mar 42
Gear drive comes through when the chips are down (2/3)	Mar 61
Automatic lift boosts capacity (1)	Apr 45
Spec check saves drive costs (1)	Apr 46
How to control gear system backlash (2-1/3)	Apr 50
How to determine gear sliding curves graphically:	
Part 3, Minimizing wear (3)	May 60
Traction drives for vehicles: Part 2, Matching the ideal (3-1/3)	May 63
Series-wound gearmotor raises the antenna (2)	Jun 54
PTD goes to the opera (5)	Jul 41
Traction drives for vehicles: Part 3, Recent advances (3-2/3)	Jul 50
Offset-press drive system shapes up business forms (3)	Aug 80
TurboTrain: The drives story (3)	Sep 49
How to pin down circulating horsepower (1-1/3)	Sep 54
Little truck with a lot of drive (1-2/3)	Sep 55
Tomorrow's horsepower is here today (2)	Sep 60
Reducer and brake boost harbor crane's accuracy (1)	Sep 73
Winder drive won't let 'em get away (2-2/3)	Sep 75
Gear drives get a big job—overturning boxcars (3)	Oct 58
Mads fashion new look in stocking (1-2/3)	Oct 63
Adjustable drives control jar-filling traffic (1)	Oct 66
Portable drill digs in when the chips are down (1)	Oct 67
New drives raise rewinder output (1-1/3)	Oct 68
Low-power testing with planetary differentials (2)	Dec 42
Reducers put mobile miner on sure footing (3)	Dec 50

LUBRICANTS AND SYSTEMS

Covering all angles (1/2)	Feb 60
Ten steps to a slinger (2/3)	Apr 52
Bearing lubrication for better or worse (5)	May 39
Self-lube chain de-bugs the buggy (2)	May 44
How to select and install lip-type oil seals (6)	Sep 62
How to select O-ring seals for rotating shafts (4)	Nov 37
You can't shoot a car eater with a grease gun (2)	Nov 50

OTHER COMPONENTS

Testing on the job (2)	Feb 54
Stick to it (1/2)	Feb 60
Covering all angles (1/2)	Feb 60
How to select ball bearing screws: Part 1, The parameters (5)	Mar 35
Soft starts stop overheating (2/3)	Mar 57
Automatic lift boosts capacity (1)	Apr 45
Ten steps to a slinger (2/3)	Apr 52
How to select ball bearing screws: Part 2, The procedure (4-1/3)	May 46
Conveyor belt calls its own signals (3)	Jul 55
Clutch control cables keep crushers chewing (2)	Sep 52
Tomorrow's horsepower is here today (2)	Sep 60
How to select and install lip-type oil seals (6)	Sep 62
Proximity switch insures safe starting (1)	Sep 70
Winder drive won't let 'em get away (2-2/3)	Sep 75
How to select O-ring seals for rotating shafts (4)	Nov 37
Design and performance of hydrostatic lead screws (2-2/3)	Nov 56

BASIC EDUCATION SERIES

How to select ball bearing screws:	
Part 1, The parameters (5)	Mar 35
Part 2, The procedure (4-1/3)	May 46
Traction drives for vehicles:	
Part 1, The ideal drive (3-1/3)	Mar 58
Part 2, Matching the ideal (3-1/3)	May 63
Part 3, Recent advances (3-2/3)	Jul 50
How to determine gear sliding curves graphically:	
Part 3, Minimizing wear (3)	May 60
What-You-Need-to-Know:	
Part 1, The systems approach (3)	Jun 37
Part 2, Load torque and drive selection (3-1/3)	Jul 46
Part 3, Load types—what they are, where you will see them (3)	Aug 84
Part 4, Basic electrical concepts (3-2/3)	Oct 71
Part 5, Magnetism (4)	Nov 41
Part 6, Inductance and capacitance (6)	Dec 44
Putting vibrations to work:	
Part 1, How they can help (3)	Jun 50
Part 2, Picking the tools (4-1/3)	Nov 52

